



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.3011

Job Sheet 168218



Part No: 646.3011

Job Qty: 10 ea

Part Name: RH Half



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/13/17

Job Tracking No:

Due Date: 11/28/17

Created By: Linda Lacelle

Type: Stock

Description:

Note: DWG REV N/C SHEETS 2,6,7 IPP REV:A NEW ISSUE 13/01/14 JFS VERIFY BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea	11/27/17	11/27/17	0.00	0.00	Start Up Machining		SC 18/01/12
100	Bandsaw	10 pcs	11/27/17	11/27/17	0.00	0.11	Bandsaw1		SC 18/01/12
110	CNC Vertical Machining	10 pcs	11/28/17	11/28/17	0.18	8.00	HAAS 1		SC 18/01/12
120	QC	10 pcs	11/28/17	11/28/17	0.00	0.00	QC2		SC 18/01/12
130	QC	10 pcs	11/28/17	11/28/17	0.00	0.00	QC8		SC 18/01/12
140	Outsource	10 pcs	11/28/17	11/28/17	0.00	0.00	Outsource4		SC 18/01/12
150	Packaging	10 pcs	11/28/17	11/28/17	0.00	0.00	Packaging2		SC 18/01/12
155	QC	10 pcs	11/28/17	11/28/17	0.00	0.00	QC5		SC 18/01/12
180	Packaging	10 pcs	11/28/17	11/28/17	0.00	0.00	Packaging3		SC 18/01/12
190	QC21-SA	10 Ea	11/28/17	11/28/17	0.00	0.00	QC21		SC 18/01/12

Part Op 100 - Cut Blank at 9.700"

Descriptions: 110 - 1-Machine per folio FB158

120 - Inspect on CMM as per folio CMM029.

140 - Issue P/O to ATG : 18035502

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

JAN 17 2017

21 FEB 05 2018

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M7075T6B6.000X0.250	8	18	0	0

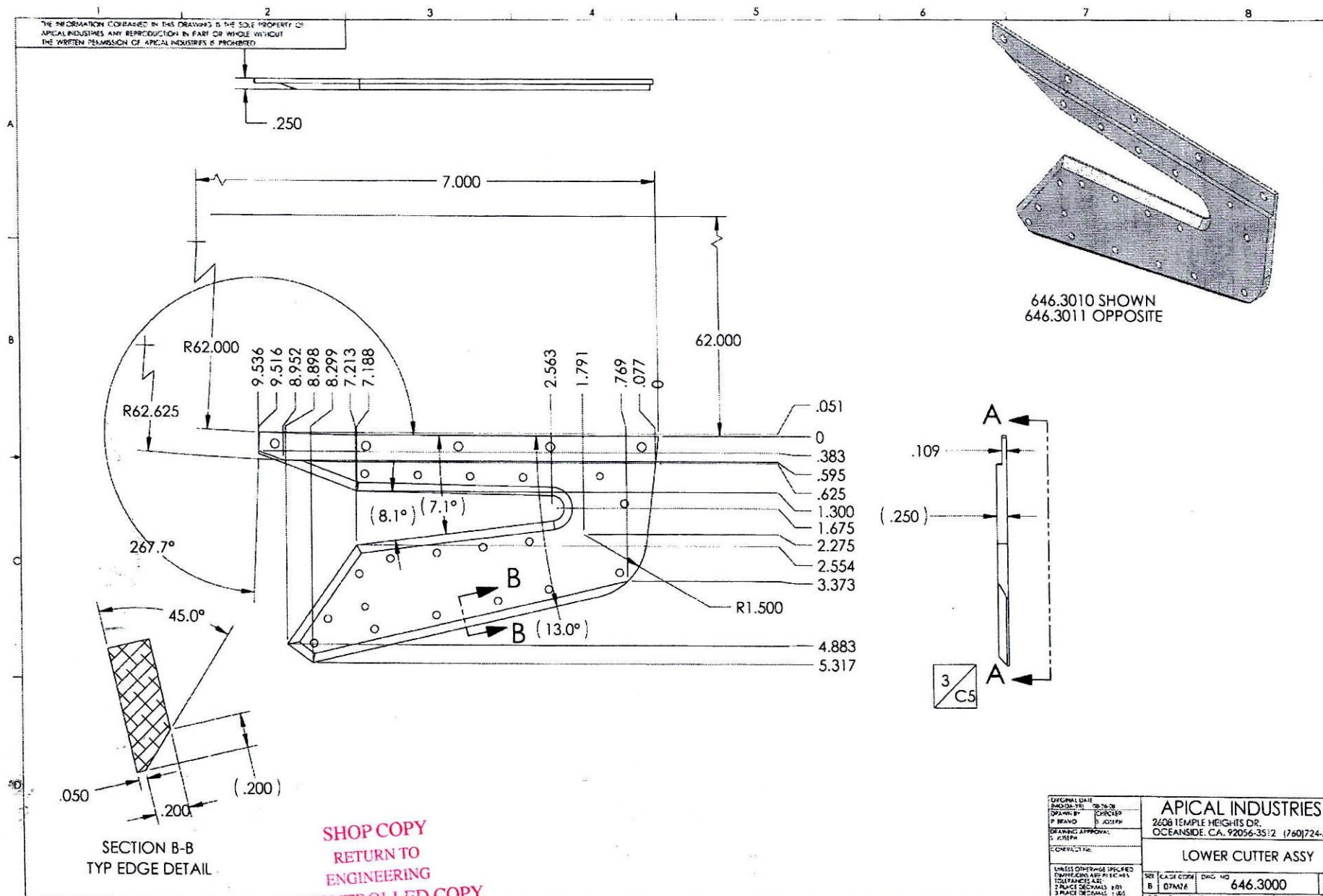
Part Specifications

Specifications could not be found.

Plex 11/13/17 4:04 PM dart.boucher.sylvie

5026937 X 8 = 6.55' (5031578) } 5031611
 5030138 X 2 = 1.64' (5031577) }
 M137968-180 (15')

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



SECTION B-B
TYP EDGE DETAIL

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 168218

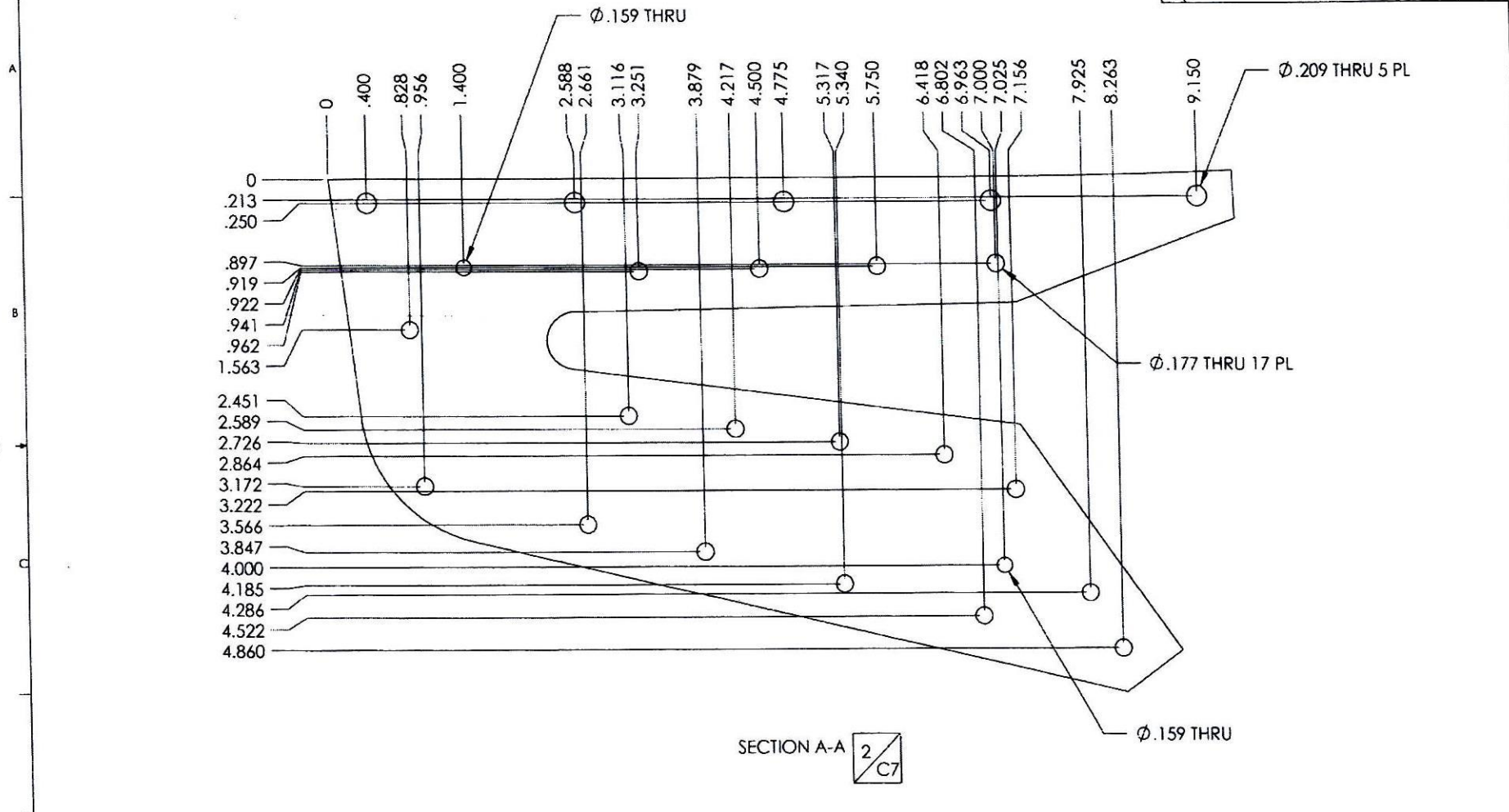
DAS
30
9-89

NOV 16 2017

ORIGINAL DATE DRAWN BY P. BRAND CHECKED BY D. JOSEPH DRAWING APPROVAL D. JOSEPH C. GENERAL TOL UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: DIMENSIONS IN PARENS 3 PLACES DECIMALS FOR ANGLES ± .5°		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
REV	DATE	QTY	REV
B	07/26/16	646.3000	N/C
SCALE: NONE		SHEET: 2 OF 8	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REV	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE: 08-28-08	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300			
DRAWN BY: J. CHOCER				
P. BRAVO: J. CHOCER				
CHECKED APPROVAL: J. CHOCER				
08-28-08	LOWER CUTTER ASSY			
CORRECTED (Y):				
ALL DIMENSIONS SPECIFIED UNLESS OTHERWISE NOTED				
DIMENSIONS ARE IN INCHES				
1 PLACE DECIMALS: .01				
2 PLACES DECIMALS: .00				
ANGLES: 3°				
REV		CAGE CODE	DWG. NO.	REV.
B		07M26	646.3000	N/C
SCALE: NONE			SHEET 3 OF 8	

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS							
	Rework	☐	Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐
	Scrap	☐	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐
	Use-as-is	☐	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐
	Suspected Unapproved	☐	Large Fab	☐	Composite	☐	Supplier	☐		

Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval
--------------	---------------	-----------------------	-----------------------

Description Work Order Deviation	Disposition	Completed By

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038802

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038802

PO Date: 1/17/18

Due Date: 1/31/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
JAN 30 2018

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	170136	D2348	Wearplate (Key Way) Issue P/O: Black Anodize per Dwg D2348 Rev. C	Firmed	1/31/18	20 pcs	0 pcs	20 pcs	\$5.76/pcs	\$115.20
Line Item Note RUSH!!!!										
2	169475	647.7811	Bracket B Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$15.63/pcs	\$156.30
Line Item Note RUSH!!!!										
3	170172	647.7812	Center Plate, Upper Issue P/O to ATG : Hard Black Anodize and Prime Dwg 647.7800 Rev. A	Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$9.88/pcs	\$59.28
Line Item Note RUSH!!!!										
4	168218	646.3011	RH Half Issue P/O to ATG : Hard Black Anodize, Color Black and Prime as Per Dwg 646.3000	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$11.38/pcs	\$113.80
Line Item Note RUSH!!!!										
5	168219	646.3012	Lower Guide Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.3000	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$21.03/pcs	\$210.30
Line Item Note RUSH!!!!										
6	168217	646.3010		Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$11.38/pcs	\$68.28



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038802

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			LH Half Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3000							
7	168018	646.3011	RH Half Issue P/O to ATG : Hard Black Anodize, Color Black and Prime as Per Dwg 646.3000	Firmed	1/31/18	4 pcs	0 pcs	4 pcs	\$11.38/pcs	\$45.52
8	168241	646.3711	Clip Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3700 Rev. A	Firmed	1/31/18	12 pcs	0 pcs	12 pcs	\$7.23/pcs	\$86.76
9	168242	646.3712	Clip Issue P/O to ATG : Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A	Firmed	1/31/18	12 pcs	0 pcs	12 pcs	\$7.23/pcs	\$86.76
10	168243	646.3713	Gusset Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.3700	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$16.88/pcs	\$168.80
11	168244	646.3714	Gusset Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 646.3700 Rev. A	Firmed	1/31/18	12 pcs	0 pcs	12 pcs	\$16.88/pcs	\$202.56
12	169366	646.9810	Deflector Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.9800 Rev. A	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$48.38/pcs	\$483.80
13	168275	647.0113	Strut Doubler Issue P/O to ATG : Hard anodize, Color Black and Prime as Per Dwg 647.0100 Rev. A	Firmed	1/31/18	15 pcs	0 pcs	15 pcs	\$12.88/pcs	\$193.20
14	168285	647.1510	Upper Deflector Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.1500 Rev. D	Firmed	1/31/18	4 pcs	0 pcs	4 pcs	\$21.78/pcs	\$87.12
15	168293	647.1713	Spacer Issue P/O to ATG :	Firmed	1/31/18	20 pcs	0 pcs	20 pcs	\$5.38/pcs	\$107.60



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038802

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			Hard Black Anodize and Prime as per Dwg. 647.1700 Rev. E							
16	169481	647.1714	Plate Issue P/O to ATG : Hard Anodize and Prime as Per Dwg 647.1700 Rev. E	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$31.38/pcs	\$313.80
17	169482	647.1715	Plate Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.1700 Rev. E	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$31.38/pcs	\$313.80
18	169479	647.7816	Aft Bracket Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	1/31/18	10 pcs	0 pcs	10 pcs	\$7.98/pcs	\$79.80
19	169480	647.7817	Aft Bracket Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$7.98/pcs	\$47.88
20	169484	647.7611	Lower Deflector Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7600	Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$13.18/pcs	\$79.08
21	169474	647.7810	Bracket A Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	1/31/18	4 pcs	0 pcs	4 pcs	\$12.03/pcs	\$48.12
22	169476	647.7813	Center Plate, Lower Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg. 647.7800 Rev. A	Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$9.88/pcs	\$59.28
23	169477	647.7814	Fwd Bracket Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg. 647.7800 Rev. A	Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$7.98/pcs	\$47.88
24	169478	647.7815		Firmed	1/31/18	6 pcs	0 pcs	6 pcs	\$7.98/pcs	\$47.88



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038802

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			-ANODIZE COLOR RED, PER IAW MIL-A- 8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required							
Grand Total:										\$3,918.46

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/30/18 8:45 AM dart.baker.diane



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914522

Date: 31-Jan-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 ea	Part: 646.3011 RH Half Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22345	Rev: NC PO: PO038802	Line: 4
10 ea	Part: 646.3012 Lower Guide Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22346	Rev: NC PO: PO038802	Line: 5
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>30/1/2018</u> Certified Signature: <u>[Signature]</u> Receiver Signature: <u>[Signature]</u> A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			